

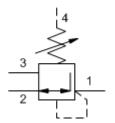
MODEL PSDB

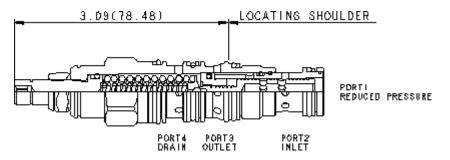
Direct-acting, pressure reducing/relieving valve with drain to port 4

CAPACITY: 10 gpm / CAVITY: T-21A



sunhydraulics.com/model/PSDB





Direct-acting, pressure reducing/relieving valves reduce a high primary pressure at the inlet (port 2) to a constant reduced pressure at port 1, with a full-flow relief function from port 1 to tank (port 3). Draining port 4 makes the valve insensitive to pressure at port 3. These valves incorporate a damped construction for stable operation allowing the use of high reduced pressure.

## TECHNICAL DATA NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Maximum Operating Pressure	5000 psi
Factory Pressure Settings Established at	0.25 gpm
Maximum Valve Leakage at 110 SUS (24 cSt)	2 in³/min.@1000 psi
Adjustment - No. of CW Turns from Min. to Max. setting	5
Locknut Hex Size	9/16 in.
Locknut Torque	80 - 90 lbf in.
Seal kit - Cartridge	Buna: 990-021-007
Seal kit - Cartridge	Polyurethane: 990-021-002
Seal kit - Cartridge	Viton: 990-021-006

NOTES: • For Series 1 cartridges configured with an O control (panel mount handknob), a .75 in. (19 mm) diameter hole is required in the panel.

## **CONFIGURATION OPTIONS**

CONTROL

- L Standard Screw Adjustment
- C Tamper Resistant Factory Set
- K Handknob

## Model Code Example: PSDBLAN

(L) ADJUSTMENT RANGE

(A) SE

SEAL MATERIAL

(N) MATERIAL/COATING

500 - 3000 psi (35 - 210 bar), 700 psi (50 bar) Standard Setting

- B 50 1500 psi (3,5 105 bar), 200 psi (14 bar) Standard Setting
- D 25 800 psi (1,7 55 bar), 200 psi (14 bar) Standard Setting
- E 25 400 psi (1,7 28 bar), 200 psi (14 bar) Standard Setting
- **W** 750 4500 psi (50 315 bar), 1000 psi (70 bar) Standard Setting

N Buna-N Standard Material/Coating
V Viton /LH Mild Steel, Zinc-Nickel

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